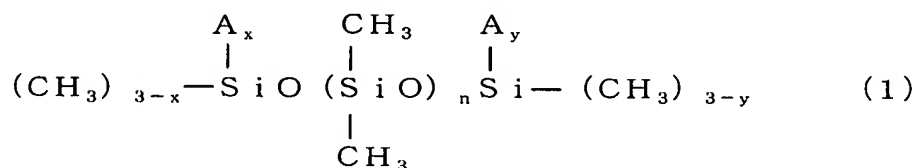


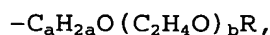
CLAIMS

1. A polyethersilicone represented by the following formula (1), said polyethersilicone being modified at an end of a silicone chain thereof,



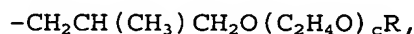
wherein A represents a polyether residue, n is an integer of from 0 to 3, x is 0 or 1, y is 0 or 1 and $1 \leq x+y$, characterized in that a weight ratio, determined by H-NMR, of a polyether which is not bonded to a silicone chain of the polyethersilicone to a total of the non-bonded polyether and the polyether residue bonded to the silicone chain of the polyethersilicone is 8 % or less.

2. The polyethersilicone according to claim 1, wherein at least one A is



wherein a is 3 or 4, b is an integer of from 1 to 3, and R is a CH_3 group or a C_2H_5 group.

3. The polyethersilicone according to claim 1, wherein at least one A is



wherein c is an integer of from 1 to 6, and R is a CH_3 group or a C_2H_5 group.

4. The polyethersilicone according to any one of claims 1 to 3, wherein the polyethersilicone has a viscosity at 25 degrees C of from 1 to 20 mm^2/s .

5. The polyethersilicone according to claim 1, wherein the polyethersilicone is one prepared by reacting a polyether having a methallyl group, a butenyl group or an allyl group at an end thereof with a hydrogensilicone having a hydrosilyl group at least one end thereof in the presence of a noble metal catalyst.

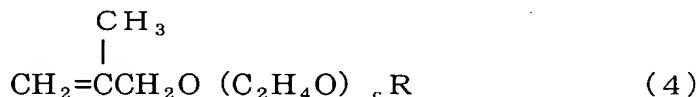
6. A solvent for an electrolytic solution, comprising the polyethersilicone according to any one of claims 1,2,3 and 5.

7. A method of preparing a polyethersilicone by reacting a polyether having an unsaturated bond at an end thereof with a hydrogensilicone in the presence of a noble metal catalyst, characterized in that the method comprising the steps of:

reacting a polyether represented by the following formula (3) or (4) with a hydrogensilicone,



wherein a is 3 or 4, b is an integer of from 1 to 3, and R is a CH₃ group or a C₂H₅ group,



wherein c is an integer of from 1 to 6, and R is a CH₃ group or a C₂H₅ group, and

subjecting the reaction mixture to vacuum distillation, to thereby attain a weight ratio, determined by H-NMR, of the polyether which has not been reacted with the hydrogensilicone to the starting polyether of 8 % or less.